

Amendments To The Claims:

Please amend the claims as shown.

1. (currently amended) A method for cooling thermally stressed regions in a turbo machine (1), comprising: which has a live-steam feed line (9), an inflow region (17), a housing (2) and an exhaust-steam region (7), a flow medium

flowing a flow medium through the turbo machine and ~~leaving exiting the flow medium~~ in the an exhaust-steam region (7) during operation of the turbo machine, characterized in that:

flowing part a portion of the flow medium from ~~the~~ a live-steam feed line to a heat exchanger (9) is cooled;

cooling the flow medium by means of a the heat exchanger (8) before ~~entry into the flow medium enters the~~ turbo machine (1) ~~and enters;~~

flowing the cooled flow medium into the turbo machine (1) via ~~the~~ an inflow region (17); and

cooling the thermally stressed regions that are located in the inflow region (17) ~~being~~ cooled by the flow medium that has been cooled ~~in this way~~ by the heat exchanger.

2. (currently amended) The method as claimed in claim 1, ~~characterized in that~~ wherein the heat exchanger (8) is located in the exhaust-steam region (7) of the turbo machine (1).

3. (currently amended) The method as claimed in claim 1 ~~or 2, characterized in that~~ wherein the ~~part~~ portion of the flow medium that ~~is passed to~~ enters the heat exchanger (8) is removed downstream of a shut-off valve (20) located in the live-steam feed line (9).

4. (currently amended) The method as claimed in ~~one of~~ claims 1 to 3, ~~characterized in that~~ wherein the temperature of the ~~part~~ portion of the flow medium ~~that is~~ cooled in the heat exchanger (8) ~~lies~~ is at least 10°C below the temperature of the live steam.

5. (currently amended) The method as claimed in ~~one of claims 1 to 3~~, characterized ~~in that wherein~~ the temperature of the part portion of the flow medium ~~that is~~ cooled in the heat exchanger (8) ~~lies is~~ at least 20°C below the temperature of the live steam.

6. (currently amended) The method as claimed in ~~one of claims 1 to 5~~, characterized ~~in that wherein~~ the part portion of the flow medium ~~that is~~ cooled by ~~means of~~ the heat exchanger (8) is passed to a thrust-compensating piston (19).

7. (currently amended) A turbo machine (1) ~~which has~~, comprising:
a live-steam feed line (9) through which a flow medium ~~can flow~~ flows and ~~which leads~~ leading to a live-steam inflow region (12), ~~the turbo machine (1) having~~, the live-steam feed line (9) ~~has~~ having a branch (10) with which part of the flow medium is passed via a line (15) to a heat exchanger (8), ~~and the turbo machine (1) has~~;

an exhaust-steam region (7), ~~characterized in that~~; and
a feed line (16) arranged downstream of the heat exchanger (8) leading into an inflow region (17) of the turbo machine (1).

8. (currently amended) The turbo machine (1) as claimed in claim 7, ~~characterized in that wherein~~ the heat exchanger (8) is arranged in the exhaust-steam region (7) of the turbo machine (1).

9. (currently amended) The turbo machine (1) as claimed in claim 7 ~~or 8~~, ~~characterized in that wherein~~ the live-steam feed line (9) has a shut-off valve (20) located upstream of the branch (10).

10. (currently amended) The turbo machine (1) as claimed in ~~one of claims 7 to 9~~, ~~characterized in that wherein~~ the feed line (16) ~~is led~~ supplies flow to a thrust-compensating piston (19).

11. (new) A turbo machine having selectively cooled internal components, comprising:

a live-feed flow line that flows a medium through a turbo machine and exits into an exhaust region;

a branch line to extend from the live-feed line adapted to pass a portion of the flow medium to a heat exchanger; and

a feed line arranged downstream of the heat exchanger leading into an inflow region of the turbo machine.

12. (new) The turbo machine as claimed in claim 11, wherein the heat exchanger is located in the exhaust-steam region of the turbo machine.

13. (new) The turbo machine as claimed in claim 11, wherein the live-steam feed line has a shut-off valve located upstream of the branch.

14. (new) The turbo machine as claimed in claim 11, wherein the feed line downstream of the heat exchanger supplies flow to a thrust-compensating piston.